

Message Text

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PAGE 01 TOKYO 12220 130852Z

17

ACTION OES-06

INFO OCT-01 EA-09 ISO-00 NRC-07 EPA-04 CEQ-01 /028 W

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R 130753Z AUG 76

FM AMEMBASSY TOKYO

TO USERDA HQ GERMANTOWN

USERDA HQ WASHDC

INFO SECSTATE WASHDC 1563

UNCLAS TOKYO 12220

ERDA PLS PASS NRC FOR LAFLEUR

E.O. 11652: N/A

TAGS: TECH, JA

SUBJECT: JPDR SUMP LEAKS

REF: TOKYO 6656

JAERI HAS SUMMED UP INVESTIGATION ON JPDR DRAIN SUMP LEAKS:

1. WATER LEAKED FROM SUMP INTO SAND THROUGH CRACKED FILLET WELD IN BOTTOM STEEL PLATE AND THROUGH CONCRETE WALL OUTSIDE STEEL.

2. CONCRETE WALL WAS NOT WATERTIGHT BECAUSE OF PIPE PENETRATION. PIPE WAS RELOCATED, AND HOLE SEALED WITH MORTAR.

3. CRACKING OF WELD IS ATTRIBUTABLE TO:

A. INADEQUATE STEEL PLATE THICKNESS AND FAULTY WELDING.

B. CORROSION BY WATER STAYING IN SPACE BETWEEN CONCRETE AND STEEL.

C. FATIGUE BY REPETITION OF EXCESSIVE STRESS DUE TO WATER FLOWING IN AND OUT OF SUMP.

4. EXAMINATION OF UNDERGROUND WATER SAMPLES TAKEN AT FOUR DIFFERENT POINTS IN JAERI TOKAI ESTABLISHMENT AND SOIL AROUND JPDR REVEALED NO ENVIRONMENTAL IMPACT.

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5. SUMP WILL BE REMODELED INTO DOUBLE STRUCTURE TO PREVENT
WATER LEAKS. WATER QUANTITY CONTROL WILL BE MADE STRICTERS.
JPDR IS EXPECTED TO RESUME OPERATION LATE JAN 1977.
SHOESMITH

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NNN

Message Attributes

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Disposition Approved on Date:
Disposition Authority: n/a
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Disposition Event:
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